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TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,995

DATE: 01/02/2002
TIME: 11:33:32

Input Set : A:\C10377025.txt
Output Set: N:\CRF3\01022002\J017995.raw

```
   4 <110> APPLICANT: Bratzler, Robert L.
   7 <120> TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
  10 <130> FILE REFERENCE: C1037/7025 (HCL/MAT)
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/017,995
C--> 12 <141> CURRENT FILING DATE: 2001-12-18
  12 <150> PRIOR APPLICATION NUMBER: US 60/255,534
  13 <151> PRIOR FILING DATE: 2000-12-14
  15 <160> NUMBER OF SEQ ID NOS: 1093
  17 <170> SOFTWARE: FastSEQ for Windows Version 3.0
  19 <210> SEQ ID NO: 1
  20 <211> LENGTH: 18
  21 <212> TYPE: DNA
  22 <213> ORGANISM: Artificial Sequence
  24 <220> FEATURE:
  25 <223> OTHER INFORMATION: Synthetic Sequence
  27 <400> SEQUENCE: 1
  28   tctcccagcg tgcgccat                                                 18
  30 <210> SEQ ID NO: 2
  31 <211> LENGTH: 20
  32 <212> TYPE: DNA
  33 <213> ORGANISM: Artificial Sequence
  35 <220> FEATURE:
  36 <223> OTHER INFORMATION: Synthetic Sequence
  38 <400> SEQUENCE: 2
  39   ataatccagc ttgaaccaag                                               20
  41 <210> SEQ ID NO: 3
  42 <211> LENGTH: 20
  43 <212> TYPE: DNA
  44 <213> ORGANISM: Artificial Sequence
  46 <220> FEATURE:
  47 <223> OTHER INFORMATION: Synthetic Sequence
  49 <400> SEQUENCE: 3
  50   ataatcgacg ttcaagcaag                                               20
  52 <210> SEQ ID NO: 4
  53 <211> LENGTH: 18
  54 <212> TYPE: DNA
  55 <213> ORGANISM: Artificial Sequence
  57 <220> FEATURE:
  58 <223> OTHER INFORMATION: Synthetic Sequence
  60 <400> SEQUENCE: 4
  61   taccgcgtgc gaccctct                                                18
  63 <210> SEQ ID NO: 5
  64 <211> LENGTH: 9
  65 <212> TYPE: DNA
  66 <213> ORGANISM: Artificial Sequence
  68 <220> FEATURE:
  69 <223> OTHER INFORMATION: Synthetic Sequence
```

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```
 71 <400> SEQUENCE: 5
 72  ggggagggt                                                           9
 74 <210> SEQ ID NO: 6
 75 <211> LENGTH: 9
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Synthetic Sequence
 82 <400> SEQUENCE: 6
 83  ggggagggg                                                           9
 85 <210> SEQ ID NO: 7
 86 <211> LENGTH: 9
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial Sequence
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Synthetic Sequence
 93 <400> SEQUENCE: 7
 94  ggtgaggtg                                                           9
 96 <210> SEQ ID NO: 8
 97 <211> LENGTH: 20
 98 <212> TYPE: DNA
 99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: modified_base
103 <222> LOCATION: (8)...(8)
104 <223> OTHER INFORMATION: m5c
106 <223> OTHER INFORMATION: Synthetic Sequence
108 <400> SEQUENCE: 8                                                   20
109  tccatgtngt tcctgatgct
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 15
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <221> NAME/KEY: modified_base
118 <222> LOCATION: (11)...(11)
119 <223> OTHER INFORMATION: m5c
121 <223> OTHER INFORMATION: Synthetic Sequence
123 <400> SEQUENCE: 9                                                   15
124  gctaccttag ngtga
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <221> NAME/KEY: modified_base
133 <222> LOCATION: (8)...(8)
134 <223> OTHER INFORMATION: m5c
136 <223> OTHER INFORMATION: Synthetic Sequence
```

```
  138  <400> SEQUENCE: 10                                              20
  139   tccatgangt tcctgatgct
  141  <210> SEQ ID NO: 11
  142  <211> LENGTH: 20
  143  <212> TYPE: DNA
  144  <213> ORGANISM: Artificial Sequence
  146  <220> FEATURE:
  147  <221> NAME/KEY: modified_base
  148  <222> LOCATION: (13)...(13)
  149  <223> OTHER INFORMATION: m5c
  151  <223> OTHER INFORMATION: Synthetic Sequence
  153  <400> SEQUENCE: 11                                              20
  154   tccatgacgt tcntgatgct
  156  <210> SEQ ID NO: 12
  157  <211> LENGTH: 15
  158  <212> TYPE: DNA
  159  <213> ORGANISM: Artificial Sequence
  161  <220> FEATURE:
  162  <221> NAME/KEY: modified_base
  163  <222> LOCATION: (7)...(7)
  164  <223> OTHER INFORMATION: m5c
  166  <223> OTHER INFORMATION: Synthetic Sequence
  168  <400> SEQUENCE: 12                                              15
  169   gctagangtt agtgt
  171  <210> SEQ ID NO: 13
  172  <211> LENGTH: 19
  173  <212> TYPE: DNA
  174  <213> ORGANISM: Artificial Sequence
  176  <220> FEATURE:
  177  <223> OTHER INFORMATION: Synthetic Sequence
  179  <400> SEQUENCE: 13                                              19
  180   agctccatgg tgctcactg
  182  <210> SEQ ID NO: 14
  183  <211> LENGTH: 20
  184  <212> TYPE: DNA
  185  <213> ORGANISM: Artificial Sequence
  187  <220> FEATURE:
  188  <223> OTHER INFORMATION: Synthetic Sequence
  190  <400> SEQUENCE: 14                                              20
  191   ccacgtcgac cctcaggcga
  193  <210> SEQ ID NO: 15
  194  <211> LENGTH: 20
  195  <212> TYPE: DNA
  196  <213> ORGANISM: Artificial Sequence
  198  <220> FEATURE:
  199  <223> OTHER INFORMATION: Synthetic Sequence
  201  <400> SEQUENCE: 15                                              20
  202   gcacatcgtc ccgcagccga
  204  <210> SEQ ID NO: 16
```

```
205 <211> LENGTH: 19
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Synthetic Sequence
212 <400> SEQUENCE: 16                                          19
213  gtcactcgtg gtacctcga
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 25
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Synthetic Sequence
223 <400> SEQUENCE: 17                                          25
224  gttggataca ggccagactt tgttg
226 <210> SEQ ID NO: 18
227 <211> LENGTH: 25
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic Sequence
234 <400> SEQUENCE: 18                                          25
235  gattcaactt gcgctcatct taggc
237 <210> SEQ ID NO: 19
238 <211> LENGTH: 24
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Synthetic Sequence
245 <400> SEQUENCE: 19                                          24
246  accatggacg aactgtttcc cctc
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 24
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Synthetic Sequence
256 <400> SEQUENCE: 20                                          24
257  accatggacg agctgtttcc cctc
259 <210> SEQ ID NO: 21
260 <211> LENGTH: 24
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Synthetic Sequence
267 <400> SEQUENCE: 21                                          24
268  accatggacg acctgtttcc cctc
270 <210> SEQ ID NO: 22
271 <211> LENGTH: 24
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,995

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```
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Synthetic Sequence
278 <400> SEQUENCE: 22                                              24
279  accatggacg tactgtttcc cctc
281 <210> SEQ ID NO: 23
282 <211> LENGTH: 24
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Synthetic Sequence
289 <400> SEQUENCE: 23                                              24
290  accatggacg gtctgtttcc cctc
292 <210> SEQ ID NO: 24
293 <211> LENGTH: 24
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Synthetic Sequence
300 <400> SEQUENCE: 24                                              24
301  accatggacg ttctgtttcc cctc
303 <210> SEQ ID NO: 25
304 <211> LENGTH: 25
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Synthetic Sequence
311 <400> SEQUENCE: 25                                              25
312  ccactcacat ctgctgctcc acaag
314 <210> SEQ ID NO: 26
315 <211> LENGTH: 25
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Synthetic Sequence
322 <400> SEQUENCE: 26                                              25
323  acttctcata gtccctttgg tccag
325 <210> SEQ ID NO: 27
326 <211> LENGTH: 20
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Synthetic Sequence
333 <400> SEQUENCE: 27                                              20
334  tccatgagct tcctgagtct
336 <210> SEQ ID NO: 28
337 <211> LENGTH: 20
338 <212> TYPE: DNA
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/017,995

DATE: 01/02/2002
TIME: 11:33:33

Input Set : A:\C10377025.txt
Output Set: N:\CRF3\01022002\J017995.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
L:2077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180
L:2551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222
L:2868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249
L:2902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:251
L:3269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284
L:3317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:288
L:3352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289
L:3533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:3894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:3913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336
L:3928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:337
L:3943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:338
L:4135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:4195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358
L:4835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:414
L:7983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:698
L:8086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707
L:8112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709
L:8127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:710
L:8333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:728
L:8348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:729
L:8363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:730
L:8378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:731
L:8393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:732
L:8713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:760
L:8739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:762
L:8754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:763
L:8777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:764
L:9179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:798
L:9209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:800
L:9228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:801
L:9247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:802
L:9266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:803

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,995

DATE: 01/02/2002

TIME: 11:33:33

Input Set : A:\C10377025.txt

Output Set: N:\CRF3\01022002\J017995.raw

L:11485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1001

L:11907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1039

L:12102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1056